



# **CALL FOR PAPERS**

## **14<sup>th</sup> Topical Meeting on the Technology of Fusion Energy**

<http://ev2.inel.gov/ParkCity/>



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### **Guest Program**

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### **Announcement**

The American Nuclear Society 14<sup>th</sup> Topical Meeting on the Technology of Fusion Energy will be held at the Park City Marriott Hotel in Park City, Utah from October 15<sup>th</sup> to the 19<sup>th</sup>, 2000. This will be the first ANS Fusion Topical Meeting of the new millennium. Please plan to join us for a stimulating international exchange on the latest developments covering all aspects of fusion technology, including the most recent developments in both inertial and magnetic confinement fusion energy. The meeting will offer an excellent opportunity for those involved or interested in fusion activities to learn of the latest developments in the field.

The meeting is jointly sponsored by the Fusion Energy Division (FED) of the American Nuclear Society (ANS), the Idaho and NORCAL (Northern California) Sections of ANS and the Fusion Engineering Division of the Atomic Energy Society of Japan. Papers are solicited in the following areas:

### **Plasma Technology**

- Plasma Engineering, Heating, and Current Drive
- Divertor Design and Experiments
- Plasma Fueling and Particle Control
- Plasma Facing Components Technology
- Plasma and Fusion Diagnostics
- Magnet Engineering and Superconductor Development

### **Fusion Materials**

- Structural Materials
- Breeder Materials
- Optical and Diagnostic Materials
- Low Activation Materials

### **Fusion Technology**

- Fuel Cycle/Tritium Handling Technology
- Fusion Chamber Technologies
- Neutronics Experiments and Analysis
- Nuclear Testing and Design Studies
- Safety and Environment
- Remote Maintenance Technology
- Next Steps (ITER and NIF)
- Alternative and Advanced Concepts

### **Advanced Designs and Fusion Systems**

- Recent Results from Large Fusion Experiments
- Fusion Power Reactors
- Non-electrical Applications
- Fusion Economics and System Studies

### **Paper Submission Procedure**

Submit 400 word electronic abstracts by May 1, 2000 at <http://ev2.inel.gov/ParkCity/>.

Authors will be notified of selection and placement by June 5, 2000. Final papers will be due at the meeting by October 15, 2000. Abstracts and papers must be submitted in English. The preferred format is Microsoft Office 97/98. Full instructions to authors are available at the website.

### **Meeting Organization**

This meeting is organized as a stand-alone Topical Meeting. Park city is one of the premier vacation spots of the world. Located about 30 miles east of Salt Lake City, Utah, it is most famous for its skiing in wintertime. It is also a haven for golfers, hikers, shoppers, artists, and entertainers in the summer months. Originally a silver mining town, it has become a Mecca for the arts with galleries, music, dance, theater, and the nearby Sundance Film Festival. Many major manufacturers have discount outlets there featuring everything from hardware to sportswear, handcrafted furniture to designer boutiques. Learn more about this fascinating community at <http://www.parkcityinfo.com>.

Transportation to Park City from the Salt Lake City airport can be arranged through "All Resort Express", [www.allresort.com](http://www.allresort.com).

For accompanying persons, there will be a steam train tour on the "Heber Creeper" Monday afternoon and a shopping tour in and around Park City on Tuesday afternoon. The Heber Creeper is "history in motion", a vintage steam railway operating from nearby Heber City, Utah. The shopping tour to the Park City outlet district will keep Epicureans and budget-minded shoppers alike fascinated with the range and variety of items available. Those with a more venturesome flare can visit historical sites or points of technical interest in the Salt Lake City area, or simply hike the hills on "shanks ponies" or on more durable equestrian mounts.

### **Registration**

Register after May 1, 2000 at the conference website. Conference registration fees for ANS members are \$450 before September 1, 2000 and \$500 thereafter. Fees for ANS nonmembers are \$500 and \$550, respectively. Student registration is free to ANS members and \$50 for nonmembers. Details on guest program costs are available at the conference website. VISA and MasterCard will be accepted.